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# KLINGERsil C-4430

Optimised combination of synthetic fibres and glass-fibre bound with NBR. Premium quality jointing with high temperature resistance in steam and water as well as excellent resistance to oils and hydrocarbons.

The Klinger group has been recognised as the market leader in gaskets and sealing for over a century. Our research and development laboratories have investigated over 250 different fibre forms in the search for asbestos free alternatives. The search has resulted in a range of high quality and high performance asbestos free materials that have been proven in service



#### **General Properties**

Excellent creep resistance

Good steam resistance

Resistant to oils, fuels, hydrocarbons etc.

WRc approved for use in hot and cold potable water Fire-safe

3xA anti-stick finish on both sides

## **Tests and Certifications**

- BS 7531 Grade X
- Firesafe BS 5146
- WRc Approval
- DIN-DGVW 92.01e052
- BAM U W28 for use with oxygen 100 bar / 85°C
- KTW C55/94.Stf
- SVGW 92-149-7
- Germanischer Lloyd 98 953 97 HH

### **Availability**

- Sheeting (m): 2.0 x 1.5\*, 4.0 x 1.5, 2.0 x 2.0, 1.5 x 1.0
- Thickness (mm): 0.25, 0.4, 0.5, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0, 4.0
- \* Denotes standard sheet size

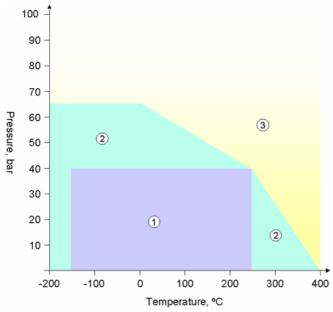
Also available with re-inforcements:

KLINGERsil C-4438. mild steel mesh

KLINGERsil C-4439, expanded mild steel



## KLINGERsil C-4430



## **Application Guidelines**

- Usually satisfactory without reference.
- Usually satisfactory, but suggest you refer to Klinger for advice
- Caution: May be suitable but essential that you refer to Klinger for advice.

Chemical compatibility must be considered in all cases.

## Typical Specifications

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Compressibility ASTM F 36 A Recovery ASTM F 36 A Stress relaxation DIN 52913 Stress relaxation BS 7531	50MPa, 16h/300 <sup>0</sup> C	11% 50% 35MPa 31MPa
Klinger cold/hot compression (50MPa)  Gas leakage according to DIN 3535/6 Chlorides (soluble)	Thickness decrease 23ºC decrease at 300ºC	8% 11% <1.0ml/min 150ppm
Thickness increase after fluid Immersion ASTM F 146 Density	Oil nr.3:5h/150°C Fuel B:5h/23°C	3% 5% 1.55g/cm³
Average surface resistance Average specific volume resistance Average power factor Average dielectric strength Average dielectric constant Heat conductivity	$R_{OA}$ (xE10) $\rho_D$ (xE11) 1kHz,ca. 3mm thick 1kHz,ca.3mm thick	$6.8\Omega$ $1.2\Omega$ cm 15.2 kV/mm $0.05$ tan $\delta$ 6.4~arepsilon 0.42W/mK
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